

Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

BULLETIN

(formerly JOURNAL)

OF THE

American Geographical Society

MDCCCCX



Vol. XLII

NEW YORK
PUBLISHED BY THE SOCIETY

EDITOR CYRUS C. ADAMS

LIBRARIAN FREDERICK S. DELLENBAUGH

ASSOCIATE EDITORS

ALBERT PERRY BRIGHAM, Colgate University
HENRY GANNETT, U. S. Geological Survey
WILLIAM LIBBEY, D.Sc., Princeton University
RALPH S. TARR, Cornell University
LAWRENCE MARTIN, State University of Wisconsin
ROBERT DEC. WARD, Harvard University
RICHARD E. DODGE, Teachers' College, Columbia University
ELLSWORTH HUNTINGTON, Yale University
FREDERICK S. DELLENBAUGH, American Geographical Society
J. WALTER FEWKES, Bureau of American Ethnology
MARK JEFFERSON, State Normal College, Ypsilanti, Mich.
ISAIAH BOWMAN, Yale University
MARTHA K. GENTHE, Chemnitz, Germany

CONTENTS

List of Officers and Councillors	PAGE
List of Officers and Councillors The South Magnetic Pole. By G. W. LITTLEHALES.	1
The Heart of the Antarctic. By Edwin Swift Balch	
Trade Routes in the Economic Geography of Bolivia. By Isaiah Bowman,	9
22 .00	. т8о
The Exploration of the Upper Air. By Andrew Watt	37
The Highest Balloon Ascension in America	51
The Future Home of the Society (with Frontispiece)	8 I
A Geographical Description of Southampton Island and Notes upon the	
Eskimo. By George Comer	84
The New Star Identification Tables of the Hydrographic Office. By G. W.	•
LITTLEHALES	105
Maximum, Minimum and Average Hydrographs of the Mississippi River.	•
By ROBERT M. BROWN	107
Recent Publications of the Weather Bureau. By R. DEC. WARD	110
Editorial Notes and Comment	112
The Tectonic Lines of the Northern Part of the North American Cordillera.	
By W. Joerg	161
The Alps during the Glacial Period. By PROF. JAMES GEIKIE	192
Sir Ernest Shackleton Receives the Cullum Geographical Medal	241
Sources of American Railway Freight Traffic. By EMORY R. JOHNSON	243
Determination of the Height and Geographical Position of Mt. McKinley	260
The Return of Halley's Comet	26 1
Outburst of the Peak of Teneriffe	265
The Parker Expedition to Mt. McKinley. By Belmore Browne	267
Studies of Climate and Crops. By HENRYK ARCTOWSKI270,	481
The Caverns and People of Northern Yucatan. By LEON J. COLE	321
Underground Ice in Northern Alaska. By V. STEFANSSON	337
The Development of Commercial Centers. By J. Russell Smith	346
The Polynesian Wanderings	355
The Measurement of the Intensity of Gravity on the Ocean and its Signifi-	
cance. By G. W. LITTLEHALES	358
A New Map of Arabia	362
Experiments in Geographical Description. By W. M. DAVIS	401
The New Boundary between Bolivia and Peru	435
The Great Wall of China	438
The Organic Side of Geography: Its Nature and Limits. By ALBERT PERRY	
Brigham	442
A Night Among Wild Animals	45 2
Ascent of Mount Robson. By George Kinney	496
An Unknown Field in American Archæology. By HARLAN I. SMITH	511
Kordofan	521
The Anglo-Saxons of the Kentucky Mountains. By ELLEN CHURCHILL	-6-
Semple	56 1

iv Contents

	PAGE
The Influence of the Precious Metals on American Exploration, etc. By	INGL
GEORGE D. HUBBARD	594
Turning Kerguelen Island to Account	602
The Libyan Oasis of Kharga. By Ellsworth Huntington	641
The Island of Sao Thomé	661
Katanga's Communications and Mineral Wealth	667
Notes on the Description of Land Forms. By W. M. DAVIS	840
Glaciers of the Northern Part of Prince William Sound. By U. S. GRANT	
and D. F. HIGGINS	721
Location of the Towns and Cities of Central New York. By RALPH S.	
TARR	738
Geography and Some of its Present Needs. By A. J. HERBERTSON	764
Scientific Geography: The Relation of Its Content to its Subdivisions. By	
WALTER S. TOWER	801
The Territory of Magellan. By MARRION WILCOX	826
Effective Occupation of Undeveloped Lands. By S. P. VERNER	831
The First Ascent of Mount Olympus. By Belmore Browne	881
Alaska Agricultural Possibilities. By Levi Chubbuck	888
Argentine Patagonia. A Land of the Future. By MARRION WILCOX	903
Geographical Record52, 115, 205, 282, 363, 455, 524, 606, 675, 778, 845.	900
Book Reviews and Notices. 59, 129, 215, 289, 371, 463, 531, 615, 685, 783, 853,	919
Current Geographical Papers	
66, 140, 222, 306, 387, 468, 546, 628, 704, 790, 866,	930
New Maps75, 151, 231, 315, 395, 474, 553, 635, 714, 797, 873,	939
Other Accessions to the Library156, 237, 319, 478, 557, 719,	878
Transactions of the Society	909
Obituary 58, 127,	782
Annual Index	0.15